Cooling Water Treatment in the UAE

Protecting your industrial systems with advanced, reliable water treatment solutions — engineered for the harsh conditions of the Arabian Gulf.

IIGT CHEM

UAE SUPPLIER

Made with GAMMA

Why Cooling Water Treatment Matters

Untreated cooling water causes costly damage to industrial systems. In the UAE's extreme climate, effective treatment is essential to maintain efficiency and protect assets.

Scale Build-Up

Mineral deposits reduce heat transfer efficiency and increase energy costs.

Corrosion

Aggressive water chemistry attacks metal surfaces, shortening equipment life.

Microbial Growth

Bacteria and algae cause fouling, blockages, and health hazards.

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The UAE Challenge

The UAE presents unique water treatment challenges that demand specialist solutions:

High Ambient Temperatures

Extreme heat accelerates evaporation, concentrating dissolved solids.

Hard Water Sources

Groundwater and seawater have high mineral content, increasing scaling risk.

Water Scarcity

Maximising cycles of concentration is critical to reduce water consumption.

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Our Treatment Solutions

IIGT Chem offers a comprehensive range of cooling water treatment products designed to address every challenge in your system.

Corrosion Inhibitors

Form protective films on metal surfaces to prevent oxidation and pitting.

Scale Dispersants

Keep hardness salts in solution, preventing deposit formation on heat exchangers.

Biocides

Control microbial growth with oxidising and non-oxidising formulations.

Anti-Foaming Agents

Eliminate foam that reduces cooling efficiency and causes overflow.

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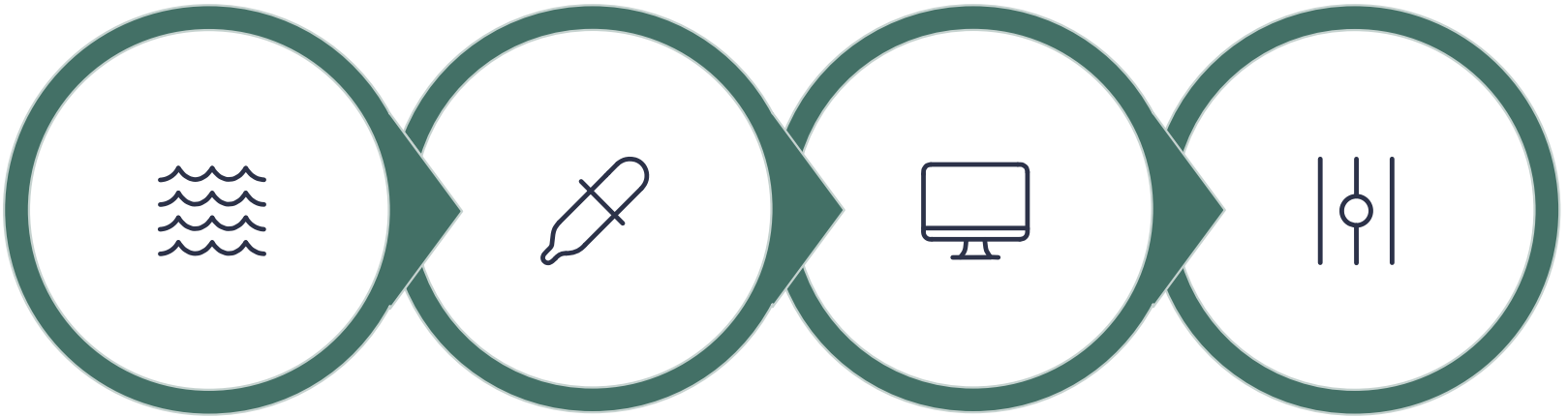
How It Works



Water Analysis

Chemical Dosing

Monitoring

Optimisation

Every programme begins with a thorough water analysis, followed by precise chemical dosing tailored to your system. Continuous monitoring ensures performance, with regular optimisation to adapt to changing conditions.

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Water Analysis & System Audits

Before recommending any treatment, we conduct comprehensive water and system audits to understand your exact operating conditions.

Water Sampling

Make-up water, circulating water, and blowdown analysed for hardness, pH, conductivity, and microbiology.

System Inspection

Review of cooling towers, heat exchangers, pumps, and pipework to identify existing damage or risk areas.

Custom Programme Design

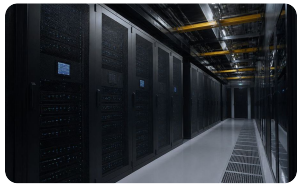
Treatment plan developed specifically for your system, water source, and operational requirements.

Industries We Serve

Our cooling water treatment solutions are trusted across a wide range of industrial sectors in the UAE.

Oil & Gas

Refineries, petrochemical plants, and gas processing facilities.



Data Centres

Mission-critical cooling for high-density IT infrastructure.

HVAC & Buildings

Commercial towers, hotels, hospitals, and district cooling.

Power Generation

Thermal power stations and cogeneration plants.

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Benefits You Can Measure

30%

Energy Savings

Improved heat transfer reduces compressor and chiller energy consumption.

40%

Water Reduction

Higher cycles of concentration significantly cut blowdown and make-up water usage.

3×

Equipment Life

Proper treatment can triple the lifespan of heat exchangers and cooling towers.

24/7

Technical Support

On-call expertise and emergency response across the UAE.

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Why Choose IIGT Chem

As a dedicated cooling water treatment supplier in the UAE, IIGT Chem combines local market knowledge with world-class chemistry. We are committed to delivering value through performance, not just product supply.

UAE-Based

Local stock, fast delivery, and on-site support.

Tailored Solutions

No off-the-shelf programmes — everything is customised.

Proven Results

Track record across major UAE industrial sites.

Made with GAMMA

Get in Touch

Ready to optimise your cooling water system? Contact IIGT Chem today for a free consultation and system audit.

🌐 Website

iigtchem.com/product/cooling-water-treatment

📍 Location

United Arab Emirates

🔬 Services

Water Analysis · Chemical Supply · System Audits

Request a free water analysis and treatment programme proposal — no obligation.